

ABSTRACT OF THE DISCLOSURE

A graphite-containing, heat-resistant cast iron for exhaust equipment members used at temperatures exceeding 800°C, comprising 3.5-5.6% of Si and 1.2-15% of W on a weight basis, and having intermediate layers, in which W and Si are concentrated, in the boundaries of graphite particles and a matrix.

An exhaust equipment member formed by this heat-resistant cast iron has an A_{C1} transformation point is 840°C or higher when measured from 30°C at a temperature-elevating speed of 3°C/minute, and a thermal cracking life of 780 cycles or more in a thermal fatigue test, in which heating and cooling are conducted under the conditions of an upper-limit temperature of 840°C, a temperature amplitude of 690°C and a constraint ratio of 0.25.